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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

JING C. CHANG ET. AL.

CASE NO.: SO0033USNA

APPLICATION NO.: 10/752399

CONFIRMATION NO.: 3588

GROUP ART UNIT: 1732

EXAMINER: PATRICK NEAL BUTLER

FILED: January 06, 2004

FOR: PROCESS FOR PREPARING POLY(TRIMETHYLENE TEREPHTHALATE)
FIBER

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information herein and listed on the enclosed PTO/SB/08A and PTO/SB/08B forms. A copy of the information, if required, is also enclosed.

This invention is based upon the unexpected discovery that bulk continuous filament can be formed by a process wherein drawing the filaments is carried out at a speed of greater than 3000 meters per minute using poly(trimethylene terephthalate) having the claimed properties. Applicants hereby call to the U.S. Patent Office's attention that polymers having the claim viscosity, number average molecular weight and melt viscosity have been sold by DuPont, the assignee, more than one year prior to the filing of this patent application. In addition, DuPont offered, and may have sold, such polymers to manufacturers of carpet. Prior to the claimed invention various patents have described that draw speeds *greater* than 3000 meters per minute and have described poly(trimethylene terephthalate) having broad properties ranges. However, upon review of the examples of those patents applicants found that in making poly(trimethylene terephthalate) bulk continuous filament draw speeds *less* than 3000 meters per minutes were used. In addition, it was found that many of the patent examples directed to making poly(trimethylene terephthalate) bulk continuous filament describe use of poly(trimethylene terephthalate) with lower viscosities.

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The International Search Report citing four (4) references and Written Opinion of the International Searching Authority are submitted herewith. These references are listed on the enclosed PTO SB 08A forms.

It is understood that International Search Reports and Written Opinions are usually considered by Examiner when submitted, but are not normally cited on the front of a patent and thus the Examiner will not indicate consideration of the same on the forms PTO/SB/08B. Unless otherwise indicated on the record, it will be assumed that the Examiner has considered the Search Report and Written Opinion.

The PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company) in order to complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,



Mark D. Kuller
Attorney for Applicants
Registration No.: 31,925
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Dated: November 22, 2005



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Serial Number: 10/752,399
Attorney Docket: SO-0033 US NA

Second Information Disclosure Statement

Form PTO/SB/08A

Form PTO/SB/08B

Copies of references cited on 08A form under "Foreign Patent Documents"

Copies of references cited on 08B form

Fee Transmittal Form

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PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 5

Complete if Known

Application Number	10/752399
Filing Date	January 06, 2004
First Named Inventor	JING C. CHANG
Group Art Unit	1732
Examiner Name	PATRICK NEAL BUTLER
Attorney Docket Number	SO0033USNA

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ²	(if known)			
	1	US -	5,798,433	08-25-1998	SCHMIDT ET. AL.	
	2	US -	5,840,957	11-24-1998	KURIAN ET. AL.	
	3	US -	5,994,451	11-30-1999	DANGAYACH	
	4	US -	6,093,786	07-25-2000	KELSEY	
	5	US -	6,109,015	08-29-2000	ROARK ET. AL.	
	6	US -	6,218,008 B1	04-17-2001	SON ET. AL.	
	7	US -	6,242,558 B1	06-05-2001	KELSEY	
	8	US -	6,255,442 B1	07-03-2001	KURIAN ET. AL.	
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	12	US -	6,287,688 B1	09-11-2001	HOWELL ET. AL.	
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	15	US -	6,326,456 B2	12-04-2001	KELSEY ET. AL.	
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	17	US -	6,335,421 B1	01-01-2002	KURIAN ET. AL.	
	18	US -	6,350,895 B1	02-26-2002	KURIAN	
	19	US -	6,353,062 B1	03-05-2002	GIARDINO ET. AL.	
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FOREIGN PATENT DOCUMENTS

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		CountryCode ³	Number ⁴ Kind Code ⁵ (if known)				
	1		EP 0949363 A2	10-13-1999	COOKSON FIBERS		<input type="checkbox"/>
	2		WO 96/00808	01-11-1996	ZIMMER AG		<input type="checkbox"/>
	3		WO 98/49216	11-05-1998	SHELL INTERNATIONAL RESEARCH		<input type="checkbox"/>
	4		WO 99/19577	04-22-1999	INTERFACE INC.		<input type="checkbox"/>
	5		WO 2002/18684 A1	03-07-2002	PRISONA FIBERS INC.		<input type="checkbox"/>
	6		WO 03/080701 A1	10-02-2003	ZIMMER AG		<input type="checkbox"/>
	7		WO 03/080702 A1	10-02-2003	ZIMMER AG		<input type="checkbox"/>
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Sheet 2 of 5

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	21	US -	6,403,762 B1	06-11-2002	DUH	
	22	US -	6,423,407 B1	07-23-2002	ABE ET. AL.	
	23	US -	6,423,814 B1	07-23-2002	KATO ET. AL.	
	24	US -	6,426,398 B2	07-30-2002	KURIAN ET. AL.	
	25	US -	6,441,129 B2	08-27-2002	DUH ET. AL.	
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	27	US -	6,509,438 B2	01-21-2003	KELSEY ET. AL.	
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	41	US -	6,685,859 B2	02-03-2004	HOWELL ET. AL.	
	42	US -	6,702,864 B2	03-09-2004	HWO ET. AL.	
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First Named Inventor	JING C. CHANG
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U.S. PATENT DOCUMENTS

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Attorney Docket Number	SO0033USNA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		International Search Report; Date of Mailing: June 21, 2005	<input type="checkbox"/>
		Written Opinion; Date of Mailing: June 21, 2005	<input type="checkbox"/>
		Chuah, CORTERRA Poly(trimethylene terephthalate) - New Polymeric Fiber for Carpets, The Textile Institute Tifcon '96, November 6, 1996 in Blackpool/UK	<input type="checkbox"/>
		Chuah, H.H., H.S. Brown and P.A. Dalton (October, 1995), "CORTERRA Poly(Trimethylene Terephthalate) - A New Performance Carpet Fiber", International Fiber Journal.	<input type="checkbox"/>
		New TP Polyester Family Challenges Nylon, PET, PBT, Plastics Technology, July 1997	<input type="checkbox"/>
		Werny, F. and H.H. Chuah (May/June 1996), "CORTERRA PTT, A New Polymer for the Carpet Industry. An Overview of Extrusion, Texturing, Twisting and Heatsetting", Carpet & Rug Industry	<input type="checkbox"/>
		Chuah, H.H. Werny, F. and Langley, T., "Dyeing and Staining of Poly(trimethylene terephthalate) Carpets", International Conference of the American Association of Textile Chemists and Colorists, 1995.	<input type="checkbox"/>
		F. Werny, "The Floor Performance of Synthetic Polymers Currently Used in Carpet Fibers", Carpet & Rug Industry, June (1995)	<input type="checkbox"/>
		H.H. Chuah, H.S. Brown and P.A. Dalton, "Corterra™ Poly(Trimethylene Terephthalate) - A New Performance Carpet Fiber," International Fiber Journal, October, 1995.	<input type="checkbox"/>
		H.S. Brown, H.H. Chuah, "Texturing of Textile Filament Yarns Based on Poly(trimethylene terephthalate)", Chemical Fibers International, 47:1, 1977 pp. 72-74.	<input type="checkbox"/>
		H.S. Brown, H.H. Chuah, "Poly(trimethylene terephthalate) - A New (Old) Fiber." Paper presented at The International Man-Made Fibres Congress, Dornbirn, Austria, September 25-27, 1996.	<input type="checkbox"/>
		Schauhoff, S. (September 1996), "New Developments in the Production of Polytrimethylene Terephthalate (PTT)", Man-Made Fiber Year Book.	<input type="checkbox"/>
		Werny, F. and H.H. Chuah (August 1996), "Texturing of CORTERRA (BCF Performance in Carpets". International Fiber Journal.	<input type="checkbox"/>

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